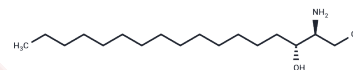


Sphinganine (d17:0)

Chemical Properties

CAS No. :	32164-02-6
Formula:	C17H37NO2
Molecular Weight:	287.48
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sphinganine is a synthetic bioactive sphingolipid that inhibits the growth of <i>C. glabrata</i> and <i>C. albicans</i> with a minimum fungicidal concentration (MFC) value of 0.5 µg/ml for both. More commonly, sphinganine is used as an internal standard in the analysis of sphingoid compounds by chromatographic or spectrometric methods.
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	DMSO: 2 mg/mL (6.96 mM),Sonication is recommended. Ethanol: Miscible DMF: 10 mg/mL (34.79 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4785 mL	17.3925 mL	34.785 mL
5 mM	0.6957 mL	3.4785 mL	6.957 mL
10 mM	0.3479 mL	1.7393 mL	3.4785 mL
50 mM	0.0696 mL	0.3479 mL	0.6957 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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